ABSTRACT OF THE DISCLOSURE

When the format control circuit detects bit synchronization information in a sector to be reproduced on a magnetic disk, the format control circuit activates a read gate signal for commanding to read out the sector from the magnetic disk. When symbol synchronization information on the magnetic disk is detected, a SYNC detection circuit produces a synchronization information detection signal. The format control circuit calculates an end position of the sector on the magnetic disk on the basis of the synchronization information detection signal to inactivate the read gate signal. The data correction circuit and the decoding circuit reproduce data and ECC in the sector read out from the magnetic disk during the period that the read gate signal is active on the basis of the synchronization information detection signal to produce the data and ECC to a data bus. The data flow control circuit processes the data and ECC on the data bus after the elapse of a reproduction delay time on the basis of the synchronization information detection circuit.